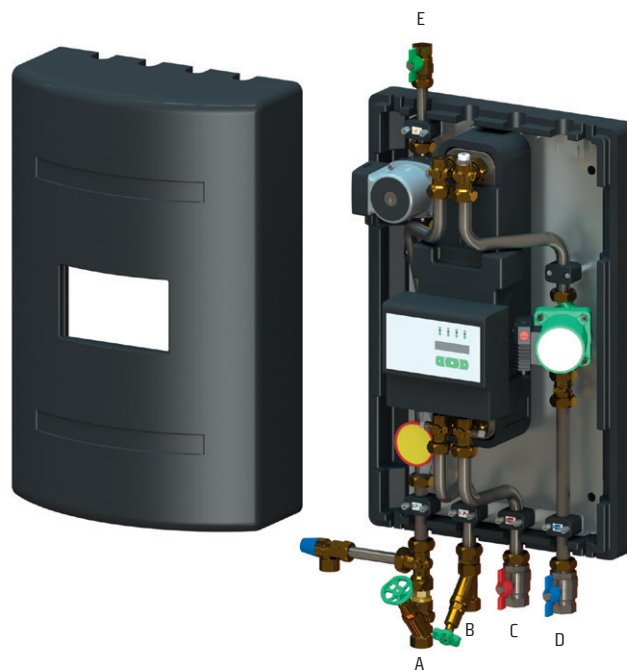


Fresh water unit FWS-V300

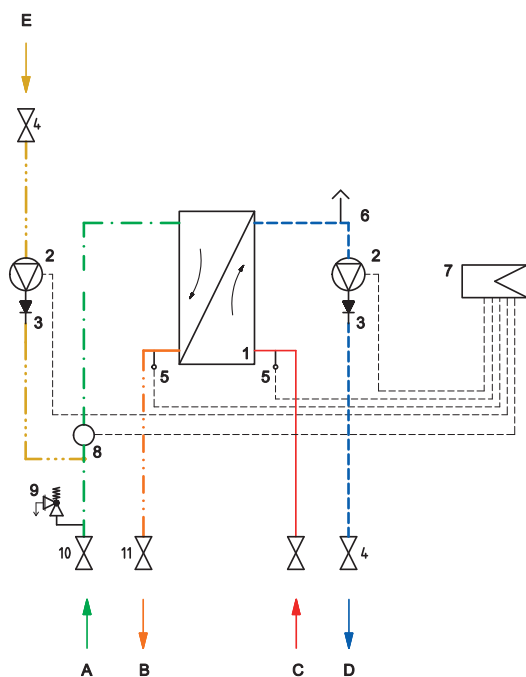
FWS-V300-30 with process water circulation

FWS-V300-30 without process water circulation

➤ Equipment example with process water circulation



➤ Hydraulic diagram



- A Drinking water from the line
- B Domestic hot water home
- C Heating flow, primary
- D Heating return, primary
- E Process water circulation

- 1 Plate heat exchanger GBS 240H-30
- 2 Pump
- 3 Backflow preventer
- 4 Shut-off ball valves
- 5 Sensor
- 6 Ventilation
- 7 Controller
- 8 Volume flow gauge
- 9 Safety group
- 10 Free flow valve with backflow preventer
- 11 Free flow valve

↗ Technical data

Materials

Fittings	Sanitary: CW602N, CW617N Heating: CW617N, CW614N
Seal	OHA-Press
Thermal insulation	EPP
Heat exchanger	Plates: 1.4404 Solder: copper or nickel or screwed exchanger
Pipeline	1.4401

Sanitary

Max. operating pressure	PN 10
Domestic hot water temperature	60 °C
Domestic cold water temperature	10 °C
Domestic hot water output	up to 115 kW at 75 °C Heating return, primary
Domestic hot water tap amount	approx. 35 l/min
Min. pre-pressure	1,5 bar

Heating

Max. operating pressure	PN 6
Max. operating temperature	85 °C
Min. operating temperature	5 °C

Electrical

Power connection	230 V / 50 Hz
Current consumption	up to 6,9 A
Power consumption	up to 0,94 kW

Dimensions

Width x height x depth	450 x 700 x 282,7 mm
Weight	approx. 15,5 kg without circulation approx. 18,0 kg with circulation

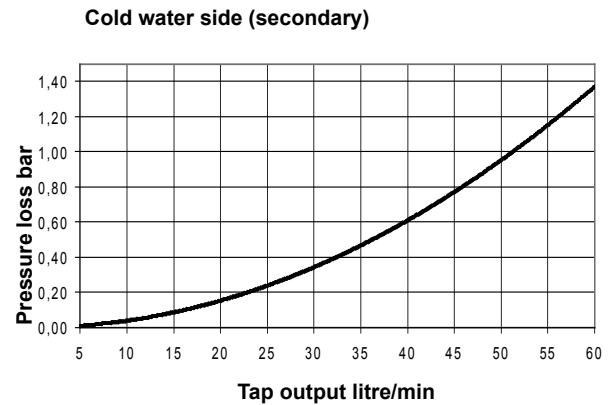
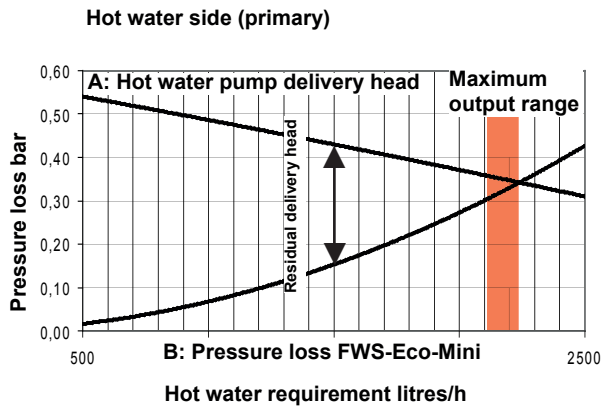
Article no.

102 041 6	FWS-V300-30 with circulation, up to 35 l/min
102 041 7	FWS-V300-30 without circulation, up to 35 l/min

Controller

- › Microprocess-controlled controller with monitoring, operating and readout displays; with setting of desired parameters such as domestic hot water temperature, circulation temperature with time program or tap detection
- › Volume flow sensor in the cold water inlet for cold water, hot water, as well as heating flow and heating return
- › Recirculating pump UPS 15-60
- › Optional: circulation with recirculating pump UPS 15-30B and check valve and DVGW shut-off ball valve

➤ Pressure losses FWS-V300-30



The difference between curve A and B is the recirculating pump's residual delivery head in FWS-V300; this is required to overcome the pipeline resistance between the buffer storage and hot water heater.

➤ Output curves and return temperatures FWS-V300-30

